



Roy F. Weston, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

211057



SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

19 July 1996

Mr. Nicholas Magriples
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO.: 68-W5-0019
TDD NO.: 02-96-04-0003
DCN: START-02-F-00419
SUBJECT: CORNELL-DUBILIER ELECTRONICS -
REVISED PRELIMINARY ANALYTICAL RESULTS

Dear Mr. Magriples:

Enclosed please find a photocopy of the revised preliminary laboratory analytical results. I am also forwarding a copy of the 16 July 1996 Field Notes and Test Pit Logs. If you should have any questions or comments, do not hesitate to call.

Very Truly Yours,

ROY F. WESTON, INC.

Kathy Campbell
START PM

Enclosures



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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

17 July 1996

Mr. Nick Magriples
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: 68-W5-0019
TDD NO: 02-96-04-0003B
DOCUMENT CONTROL NO: START-02-F-00320
SUBJECT: CORNELL-DUBILIER ELECTRONICS -
Preliminary Analytical Results


Dear Mr. Magriples:

Enclosed please find the third portion of the preliminary analytical results for the soil sampling events of 27 June and 29 June 1996. As I mentioned during our telephone conversation this morning I had called the laboratory concerning the mercury results for sample SS22. They discovered a data entry error (revised data included for your information).

This completes the preliminary metals and PCB results for these sampling dates. The laboratory will forward the only outstanding parameter (grain size distribution for the stream sediment sample) as soon as they receive it from their subcontractor. If you should have any questions or comments, please do not hesitate to call.

Very truly yours,

ROY F. WESTON, INC.

for 
Kathy Campbell
Project Manager

Enclosure
cc: TDD File



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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

16 July 1996

Mr. Nicholas Magriples
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO.: 68-W5-0019
TDD NO.: 02-96-04-0003
DCN: START-02-F-00403
SUBJECT: CORNELL-DUBILIER ELECTRONICS -
PRELIMINARY ANALYTICAL RESULTS

Dear Mr. Magriples:

Enclosed please find the second portion of the preliminary laboratory analytical results. I will forward further data as it arrives at our office. If you should have any questions or comments, do not hesitate to call.

Very Truly Yours,

ROY F. WESTON, INC.

Kathy Campbell
START PM

Enclosure

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330, FAX: 201-584-0515
JULY 10, 1996

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS

All results are reported in mg/kg (ppm) dry weight basis unless otherwise stated.

Lab Number: 238563
Client: ROY F. WESTON, INC.
Sample Source: RFP-1416
Sample ID: SED4
Sample matrix: SOIL
Sample date: 06/27/96
Sampled by: Customer
At lab date: 06/28/96
% Moisture: 54.54%

PARAMETER	DILUTION FACTOR	RESULT	METHOD BLANK	MINIMUM DETECTION LIMIT	ANALYSIS DATE
TOC	1	840	U	170	07/03/96

< = Less than
> = Greater than
U= Not detected, NA= Not applicable.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Richard Levine, President

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS1 238536	Soil SS2 238538	Soil SS3 238540	Soil SS4 238542	Soil SS5 238546
Percent Moisture		8.0	11	9	9	24
Dilution Factor		10.0	20.0	1.0	5.0	10000.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000	88000	77.0	14000	5000000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 50 X D/F		

Polychlorinated Biph	Method Detection Limit	Soil SS6 238548	Soil SS7 238552	Soil SS8 238554	Soil SS9 238556	Soil SS10 238558
Percent Moisture		25	20	12	11	63
Dilution Factor		500.0	1.0	1.0	1.0	10
Aroclor-1016	33.0	U	U	U	U	U J
Aroclor-1221	67.0	U	U	U	U	U J
Aroclor-1232	33.0	U	U	U	U	U J
Aroclor-1242	33.0	U	U	U	U	U J
Aroclor-1248	33.0	U	U	U	U	U J
Aroclor-1254	33.0	2700000	3300	1600	5400	100000 J
Aroclor-1260	33.0	U	U	U	U	U J
		Aroclor-1254 5000 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 5 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 100 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS11 238560	Soil SS12 238562	Soil SS26 238550	Soil S1 238535	Soil S2 238537
Percent Moisture		11	17	24	1	8
Dilution Factor		1.0	3.0	500.0	2.0	10.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	1700	7500	1900000	6200	59000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 5000 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 100 X D/F

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

J - between the instrument detection limit (IDL)
and the method detection limit (MDL)

JN - presumptive evidence of a compound
at an estimated value

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S3 238539	Soil S4 238541	Soil S5 238545	Soil S6 238547	Soil S7 238551
Percent Moisture		6	7	11	13	23
Dilution Factor		1.0	3.0	200.0	1000.0	20.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	3600	16000	1000000	3000000	100000 J
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 2000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 200 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S8 238553	Soil S9 238555	Soil S10 238557	Soil S11 238559	Soil S12 238561
Percent Moisture		11	14	57	4	7
Dilution Factor		20.0	20.0	1.0	3.0	1000.0
Aroclor-1016	33.0	U	U	U J	U	U
Aroclor-1221	67.0	U	U	U J	U	U
Aroclor-1232	33.0	U	U	U J	U	U
Aroclor-1242	33.0	U	U	U J	U	U
Aroclor-1248	33.0	U	U	U J	U	U
Aroclor-1254	33.0	90000	73000	11000 J	4900 J	190000
Aroclor-1260	33.0	U	U	U J	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Soil S26 238549		Method Detection Limit	Water RIN1A 238543	
Percent moisture		15			-	
Dilution Factor		1000.0			1.0	
Aroclor-1016	33.0	U		1.0	U	
Aroclor-1221	67.0	U		2.0	U	
Aroclor-1232	33.0	U		1.0	U	
Aroclor-1242	33.0	U		1.0	U	
Aroclor-1248	33.0	U		1.0	U	
Aroclor-1254	33.0	3900000		1.0	U	
Aroclor-1260	33.0	U		1.0	U	
		Aroclor-1254 10000 X D/F				

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

J - between the instrument detection limit (IDL)
and the method detection limit (MDL)JN - presumptive evidence of a compound
at an estimated value

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS13 238910	Soil SS14 238912	Soil SS15 238914	Soil SS16 238916	Soil SS17 238918
Percent Moisture		3.0	10	9	11	10
Dilution Factor		20.0	1.0	2.0	20.0	1.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000 J	2400	12000	30000	2700
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS18 238920	Soil SS19 238922	Soil SS20 238924	Soil SS21 238926	Soil SS22 238927
Percent Moisture		10	13	8	23	5
Dilution Factor		1.0	5000	1000	1000	10
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	U	22000000	1600000	5500000	1000000
Aroclor-1260	33.0	U	U	U	U	U
			Aroclor-1254 50000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 500 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS28 238932	Soil S13 238909	Soil S14 238911	Soil S15 238913	Soil S16 238915
Percent Moisture		9	5	3	3	3
Dilution Factor		1.0	20.0	10.0	20.0	5.0
Aroclor-1016	33.0	U J	U	U	U	U
Aroclor-1221	67.0	U J	U	U	U	U
Aroclor-1232	33.0	U J	U	U	U	U
Aroclor-1242	33.0	U J	U	U	U	U
Aroclor-1248	33.0	U J	U	U	U	U
Aroclor-1254	33.0	720 J	29000	28000	45000	9000
Aroclor-1260	33.0	U J	U	U	U	U
			Aroclor-1254 200 X D/F	Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 50 X D/F

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

J - between the instrument detection limit (IDL)
and the method detection limit (MDL)JN - presumptive evidence of a compound
at an estimated value

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S17 238917	Soil S18 238919	Soil S19 238921	Soil S20 238923	Soil S21 238925
Percent Moisture		8	10	3	3	4
Dilution Factor		20.0	2.0	2000	5.0	100
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	32000	8500	340000	11000	180000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 20 X D/F		Aroclor-1254 50 X D/F	Aroclor-1254 1000 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S22 238927	Soil S28 238931			
Percent Moisture		5	3			
Dilution Factor		100.0	10.0			
Aroclor-1016	33.0	U	U			
Aroclor-1221	67.0	U	U			
Aroclor-1232	33.0	U	U			
Aroclor-1242	33.0	U	U			
Aroclor-1248	33.0	U	U			
Aroclor-1254	33.0	83000	26000			
Aroclor-1260	33.0	U	U			
			Aroclor-1254 100 X D/F			

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Water RIN2B 238930				
Percent moisture		-				
Dilution Factor		1.0				
Aroclor-1016	1.0	U				
Aroclor-1221	2.0	U				
Aroclor-1232	1.0	U				
Aroclor-1242	1.0	U				
Aroclor-1248	1.0	U				
Aroclor-1254	1.0	2.3				
Aroclor-1260	1.0	U				

U - non-detected compound

B - detected in the corresponding method blank

J - estimated value

J - between the instrument detection limit (IDL)
and the method detection limit (MDL)JN - presumptive evidence of a compound
at an estimated value

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil SS1 238536 91.8 1	Soil SS10 238558 37.1 1	Soil SS11 238560 89.5 1	Soil SS12 238562 83.3 1	Soil SS2 238538 88.8 1
Percent Solids Dilution Factor						
Cadmium	0.1	0.87 B	4.6 J	0.62 B	0.8 B	3.6
Chromium	0.12	13.9	56.5 J	6.7	27.4	15.3
Lead	0.34	28.5 J	494 J	97.5 J	46.8 J	147 J
Mercury	0.05	0.06 B	72.4 J	0.30	0.20	0.61
Silver	0.2	0.57 B	6.4 J	0.32 B	0.55 B	1.9 B

Total Metals	Method Detection Limit	Soil SS26 238550 76.4 1	Soil SS3 238540 91.0 1	Soil SS4 238542 91.2 1	Soil SS5 238546 75.6 1	Soil SS6 238548 75.5 1
Percent Solids Dilution Factor						
Cadmium	0.1	285	0.27 B	0.59 B	43.2	271
Chromium	0.12	35.1	11.3	15.3	162	23.8
Lead	0.34	57300 J	8.2 J	30.8 J	6820 J	66600 J
Mercury	0.05	U	U	0.06 B	0.58	U
Silver	0.2	50.6	0.24 B	0.41 B	16.0	38.4

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil SS7 238552	Soil SS8 238554	Soil SS9 238556	Soil S1 238535	Soil S10 238557
Percent Solids Dilution Factor		80.0 1	88.3 1	88.6 1	98.6 1	43.1 1
Cadmium	0.1	2.0	1.3	0.71 B	1.3	2.8 J
Chromium	0.12	31.9	6.9	11.2	15.0	52.6 J
Lead	0.34	44.2 J	37.0 J	81.2 J	66.2 J	546 J
Mercury	0.05	0.11 B	0.17	0.48	0.09 B	1.1 J
Silver	0.2	0.92 B	0.46 B	0.68 B	0.73 B	13.2 J

Total Metals	Method Detection Limit	Soil S11 238559	Soil S12 238561	Soil S2 238537	Soil S26 238549	Soil S3 238539
Percent Solids Dilution Factor		95.5 1	93.1 1	91.6 1	85.4 1	94.4 1
Cadmium	0.1	1.1	2.7	2.3	62.7	0.37 B
Chromium	0.12	24.3	32.8	17.6	24.3	8.0
Lead	0.34	297 J	127 J	97.5 J	22500 J	29.7 J
Mercury	0.05	0.17	0.22	0.23	0.44	0.07 B
Silver	0.2	0.41 B	3.0	1.6 B	41.0	0.46 B

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil S4 238541	Soil S5 238545	Soil S6 238547	Soil S7 238551	Soil S8 238553
Percent Solids Dilution Factor		92.5 1	88.9 1	87.0 1	77.5 1	89.4 1
Cadmium	0.1	1.2	51.4	152	6.2	4.2
Chromium	0.12	13.3	131	18.7	27.3	32.3
Lead	0.34	105 J	1770 J	21800 J	169 J	543 J
Mercury	0.05	0.11	2.5	0.46	0.37	0.51
Silver	0.2	0.79 B	36.4	24.7	6.2	11.8

Total Metals	Method Detection Limit	Soil S9 238555				
Percent Solids Dilution Factor		85.8 1				
Cadmium	0.1	5.0				
Chromium	0.12	40.4				
Lead	0.34	387 J				
Mercury	0.05	2.7				
Silver	0.2	6.4				

SAMPLE #/CONCENTRATION (ug/L)

Total Metals	Method Detection Limit	WATER RIN1B 238544				
Percent Solids Dilution Factor		- 1				
Cadmium	0.5	U				
Chromium	0.6	1.6 B				
Lead	1.7	4.4				
Mercury	0.1	U				
Silver	1.0	U				

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil SS13 238910	Soil SS14 238912	Soil SS15 238914	Soil SS16 238916	Soil SS17 238918
Percent Solids		96.5	90.3	90.3	88.8	90.4
Dilution Factor		1	1	1	1	1
Cadmium	0.1	1.3 J	0.63 B	1.2 J	2.0 J	0.24 B
Chromium	0.12	13.5 J	14.8 J	10.5 J	45.1 J	36.1 J
Lead	0.34	1740	95.6	157	395	233
Mercury	0.05	0.42	0.22	0.36	0.38	0.19
Silver	0.2	1.3 B	U	0.92 B	0.75 B	0.42 B

Total Metals	Method Detection Limit	Soil SS18 238920	Soil SS19 238922	Soil SS20 238924	Soil SS21 238926	Soil SS22 238928
Percent Solids		89.6	87.4	92.5	76.6	92.7
Dilution Factor		1	1	1	1	1
Cadmium	0.1	0.20 B	1.8 J	19.9 J	373 J	13.1 J
Chromium	0.12	13.2 J	30.0 J	71.2 J	39.2 J	68.3 J
Lead	0.34	338	353	369	7460	478
Mercury	0.05	0.54	7.8	1.7	2.5	24.3
Silver	0.2	U	1.2 B	7.2	148	20.5

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil SS28 238932	Soil S13 238909	Soil S14 238911	Soil S15 238913	Soil S16 238915
Percent Solids		91.2	95.5	96.7	96.5	96.6
Dilution Factor		1	1	1	1	1
Cadmium	0.1	0.30 B	2.0 J	1.8 J	2.7 J	1.8 J
Chromium	0.12	13.4 J	25.6 J	20.3 J	20.5 J	83.2 J
Lead	0.34	226	87.2	268	140	55.2
Mercury	0.05	0.25	0.16	0.18	0.20	0.12
Silver	0.2	0.42 B	0.80 B	0.65 B	1.4 B	0.79 B

Total Metals	Method Detection Limit	Soil S17 238917	Soil S18 238919	Soil S19 238921	Soil S20 238923	Soil S21 238925
Percent Solids		94.5	89.8	97.0	96.7	95.9
Dilution Factor		1	1	1	1	1
Cadmium	0.1	1.9 J	0.94 B	2.7 J	2.3 J	19.3 J
Chromium	0.12	18.5 J	17.5 J	40.9 J	31.0 J	18.3 J
Lead	0.34	144	210	236	150	340
Mercury	0.05	0.20	0.59	1.2	0.09 B	0.26
Silver	0.2	1.4 B	0.45 B	1.4 B	6.9	8.1

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell - Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (mg/Kg)

Total Metals	Method Detection Limit	Soil S22 238927 95.5 1	Soil S28 238931 96.9 1			
Percent Solids Dilution Factor						
Cadmium	0.1	2.7 J	2.0 J			
Chromium	0.12	22.7 J	17.0 J			
Lead	0.34	87.4	111			
Mercury	0.05	0.13	0.17			
Silver	0.2	3.7	1.3 B			

SAMPLE #/CONCENTRATION (ug/L)

Total Metals	Method Detection Limit	WATER RIN2 238929				
Percent Solids Dilution Factor		- 1				
Cadmium	0.5	U				
Chromium	0.6	U				
Lead	1.7	U				
Mercury	0.1	U				
Silver	1.0	U				

Inorganic Qualifiers

U - non-detected compound

J - estimated value

B - between the instrument detection limit (IDL)
and the method detection limit (MDL)

R - rejected compound

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S1 ^a	0950	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	125 ft. southeast of west corner post of driving school fence, then 40 ft. southwest.
CDE-SS1 ^a	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6 ^b	Same location as Sample No. CDE-S1.
CDE-S2	1010	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	280 ft. southeast of west corner post of driving school fence, then 25 ft. southwest.
CDE-SS2	1020	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6 ^b	Same location as Sample No. CDE-S2.
CDE-S3	1030	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	30 ft. southwest of south corner post of driving school fence, then 94 ft. southeast.
CDE-SS3	1040	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S3.
CDE-S4	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	103 ft. northeast of south corner post of driving school fence, then 23 ft. southeast.
CDE-SS4	1055	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S4.
CDE-S5	1335	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	7 ft. southeast of east corner post of driving school fence.
CDE-SS5	1340	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S5.

^a MS/MSD sample - indicates additional sample volume was submitted to the laboratory for Matrix Spike/Matrix Duplicate (MS/MSD) analysis.

^b Concrete layer at 6 inches below ground surface.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S6	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	87 ft. northeast of east corner post of driving school fence, then 28 ft. southeast.
CDE-SS6	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S6.
CDE-S7	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	35 ft. northeast from east corner post of driving school fence, then 137 ft. southeast.
CDE-SS7	1425	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S7.
CDE-S8	1525	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	138 ft. northeast from east corner post of driving school fence, then 25 ft. southeast; 3 ft. from inactive rail line in middle of footpath and 8 ft., 7 inches from old gate post at the RR overpass.
CDE-SS8	1530	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S8.
CDE-S9	1535	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	139 ft. northeast from east corner post of driving school fence, then 154 ft. northwest.
CDE-SS9	1540	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S9.
CDE-S10	1545	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	202 ft. northwest, along fence line, from east corner post of driving school fence, then 193 ft. northeast.
CDE-SS10	1550	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample NO. CDE-S10.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S11	1600	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	234.6 ft. northwest, along fence line, from east corner post of driving school fence, then 91.4 ft. northeast.
CDE-SS11	1610	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S11.
CDE-S12	1700	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	83 ft. northwest and 50 ft., 6 inches east from east corner of Building No. 11 in the gravel driveway.
CDE-SS12	1710	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample No. CDE-S12.
CDE-S26 ^c	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S6.
CDE-SS26 ^c	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-SS6.
CDE-RIN1	1145	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinsate collected in the field.
CDE-SED4	1520	Sediment	Grab	TOC; grain size distribution	0-2	7 ft. from south side of drainage pipe which carries creek water flow under the abandoned railroad overpass.

^c Duplicate sample - indicates that the sample was collected as an environmental field duplicate.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S13	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northeast from the northeast corner of Building No. 11, then 50 ft. to southeast; on driveway south of water tank.
CDE-SS13	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-11	Similar location as Sample No. CDE-S13, except 2 ft. closer to water tank at edge of driveway.
CDE-S14	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-2	35 ft. southwest of southwest corner of Building No. 14, then 46 ft. east; northeast of water tank.
CDE-SS14	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample Location No. CDE-S14.
CDE-S15*	0935	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	21 ft., 4 in. northeast from north corner post of truck driving school (measured along wooden fence that extends northeast of post), then 13 ft., 6 in. northwest onto gravel driveway.
CDE-SS15*	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample No. CDE-S15.
CDE-S16	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. southeast of southwest corner of Building No. 9B, then 14 ft., 6 in. southwest onto gravel driveway.
CDE-SS16	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-15	Same location as Sample No. CDE-S16.
CDE-S17	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	52 ft. southeast of southwest corner of Building No. 14 (parallel to west side of building), then 6 ft. northeast.
CDE-SS17	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-S17.

MS/MSD sample - indicates additional sample volume was submitted to the laboratory for matrix spike/matrix spike duplicate (MS/MSD) analysis.

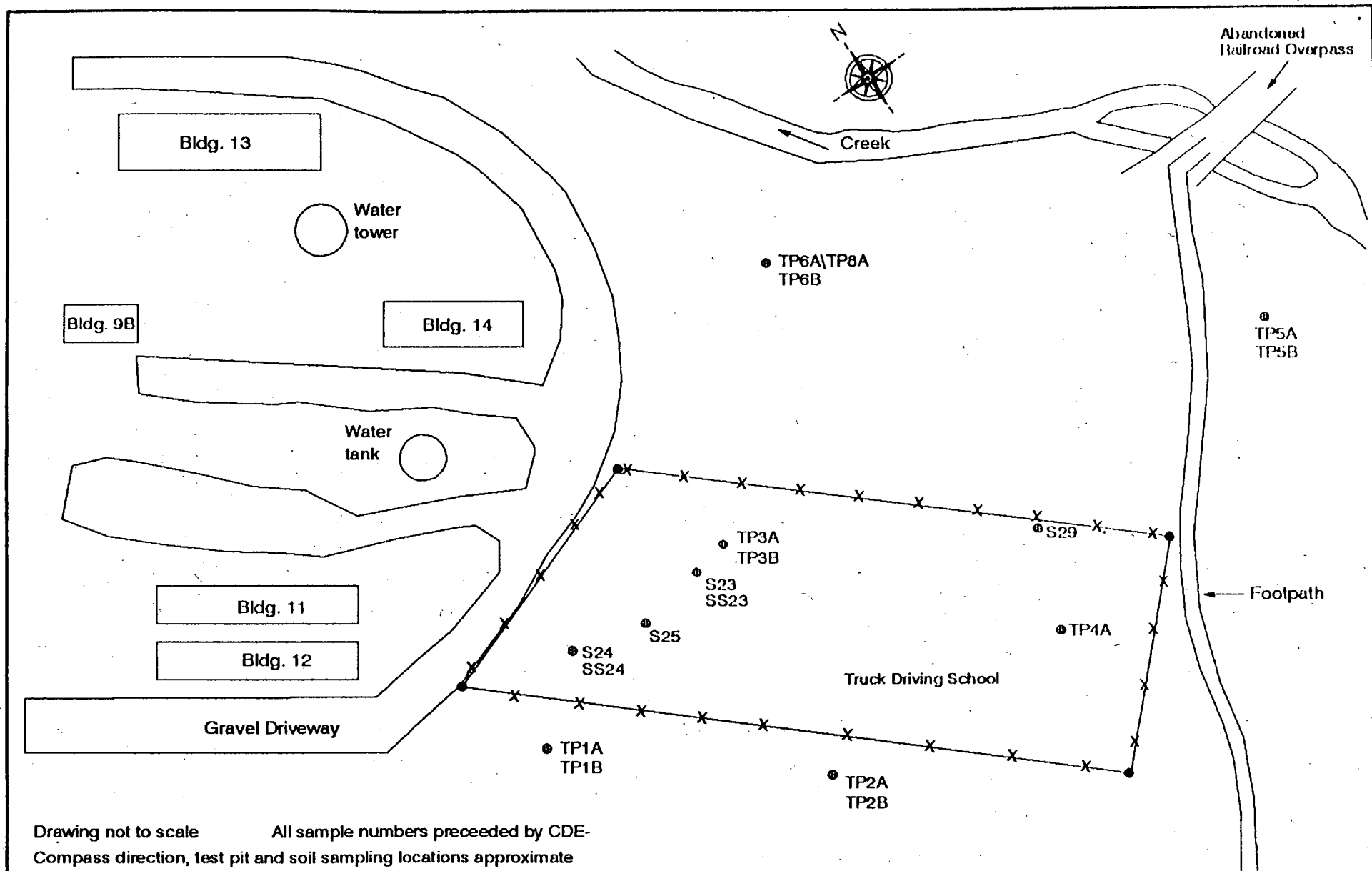
Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S18	1355	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	81 ft. southeast of the southwest corner of Building No. 13 (parallel to southwest side of building), then 10 ft. southwest.
CDE-SS18	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13	Same location as Sample No. CDE-S18.
CDE-S19	1145	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northwest of Utility Pole No. PS6726SPE and 49 ft from southeast corner of concrete loading dock at northwest end of Building No. 12.
CDE-SS19	1210	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13	Same location as Sample No. CDE-S19.
CDE-S20	1445	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. northeast of northeast corner of Building No. 13 onto gravel driveway, then 41 feet northwest.
CDE-SS20	1500	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-S20.
CDE-S21	1035	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	68 ft. northeast of west corner post of driving school fence, then 25 ft. north onto gravel driveway.
CDE-SS21	1100	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-14	Same location as CDE-S21.
CDE-S22	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	39 ft. southwest of the southeast corner of Building No. 12; gravel driveway.
CDE-SS22	1140	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	14-18	Same location as Sample No. CDE-S22; collected within the gravel layer.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S28 ^b	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S17.
CDE-SS28 ^b	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-SS17.
CDE-RIN 2	1235	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinsate collected in the field.

^b Duplicate sample - indicates that the sample was collected as an environmental field duplicate.



Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

EPA PM
N. Magriples

Cornell-Dubiller Electronics
South Plainfield, NJ

IN ASSOCIATION WITH RESOURCE APPLICATION, Inc.
C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,
PHC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.

START PM
K. Campbell

**Figure 2: Sampling and
Test Pit Locations**

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 16 July 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [feet]	Location
CDE-TP1A ^a	0950	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	2	Test Pit No. 1 (same location as Sample Nos. CDE-S1 and CDE-SS1); 125 ft. southeast of west corner post of driving school fence, then 40 ft. southwest.
CDE-TP1B	1005	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4.5	Same location as Sample No. CDE-TP1A.
CDE-TP2A	1055	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	2	Test Pit No. 2 (same location as Sample Nos. CDE-S2 and CDE-SS2); 280 ft. southeast of west corner post of driving school fence, then 25 ft. southwest.
CDE-TP2B	1105	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4	Same location as Sample No. CDE-TP2B.
CDE-TP6A	1215	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3.5	Test Pit No. 6 (20 ft. northeast of location of Sample Nos. CDE-S11 and CDE SS11); 234.6 ft. northwest, along fence line, from east corner post of driving school fence, then 111.4 ft. northeast.
CDE-TP8A ^b	1215	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3.5	Same location as Sample No. CDE-TP6A.
CDE-TP6B	1230	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	8.5	Same location as Sample No. CDE-TP6A.

^a MS/MSD sample - indicates additional sample volume was submitted to the laboratory for matrix spike/matrix spike duplicate (MS/MSD) analysis.

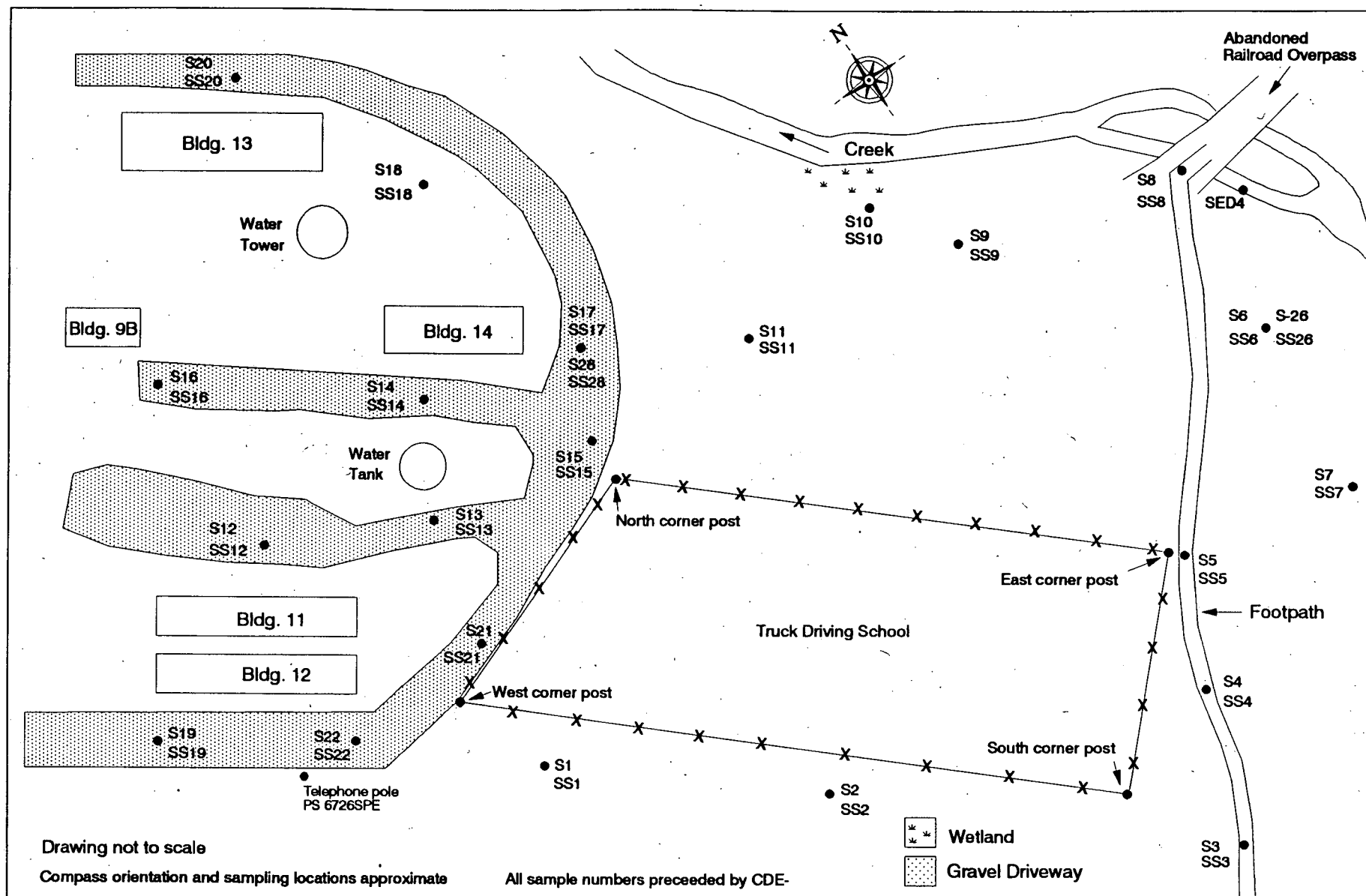
^b Duplicate sample - indicates that the sample was collected as an environmental field duplicate.


Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 16 July 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [feet]	Location
CDE-S25	1338	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0 - 0.25	Under truck driving school tent; 114 ft. southeast of the west corner fence post, then 61 ft. northeast.
CDE-S24	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0 - 0.5	Within driving school fenced area; 60 ft. southeast of the west corner fence post, then 27 ft. northeast.
CDE-SS24	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0.8	Same location as Sample No. CDE-S24.
CDE-S23	1410	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0 - 0.5	Within driving school fenced area; 60 ft. southeast from north corner fence post, then 75 ft. southwest.
CDE-SS23	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0.5 - 1	Same location as Sample No. CDE-SS23.
CDE-TP5A	1450	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4	Test Pit No. 5; (same location as Sample Nos. CDE-S6 and CDE-SS6); 87 ft. northeast of east corner post of driving school fence, the 28 ft. southeast.
CDE-TP5B	1500	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	9	Same location as Sample No. CDE-TP5A.
CDE-TP3A	1545	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4	Test Pit No. 3; within the driving school fence; 70 ft. southeast of north corner fence post, then 45 ft. southwest.
CDE-TP3B	1600	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	9	Same location as Sample No. CDE-TP3A.
CDE-TP4A	1650	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6	Test Pit No. 4; sample collected from pile of excavated material; 280 ft. southeast of north corner fence post, then 92 ft. southwest.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 16 July 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [feet]	Location
CDE-S29	1715	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-0.5	Inside the driving school fence; 270 ft. southeast of north corner fence post, then 2 ft. southwest.
CDE-RIN3	1310	Aqueous	Composite	TCL PCBs, TAL analytes	N/A	Composite trowel, bowl, and auger rinsate collected in the field.



 <p>Roy F. Weston, Inc. FEDERAL PROGRAMS DIVISION</p>	<p>EPA PM N. Magriples</p>	<p>Cornell-Dubilier Electronics South Plainfield, NJ</p>
<p>IN ASSOCIATION WITH RESOURCE APPLICATION, Inc. C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES, PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.</p>	<p>START PM K. Campbell</p>	<p>Figure 2: Sample Location Map</p>

from the test pits. Figure 2 and Figure 3 in Appendix A depict these sample locations.

Table 2: Summary of Analytical Results From Soil Samples Collected at the Cornell-Dubilier Electronics Site, June 27, 29, and July 16, 1996 (not including test pits).

<u>Sample Number</u>	<u>Sample Depth (inches)</u>	<u>Concentration (mg/kg)</u>		
		<u>PCB</u> <u>Aroclor-1254</u>	<u>Lead</u>	<u>Cadmium</u>
S1	0-3	6	66J	1
SS1	3-6	37	28J	<1B
S2	0-3	59	97J	2
SS2	3-6	88	147J	3
S3	0-3	3	29J	<1B
SS3	3-12	<1	8J	<1B
S4	0-3	16	105J	1
SS4	3-12	14	30J	<1B
S5	0-3	1,000	1,770J	51
SS5	3-12	5,000	6,820J	43
S6	0-3	3,000	21,800J	152
SS6	3-12	2,700	66,600J	271
S7	0-3	100J	169J	6
SS7	3-12	3	44J	2
S8	0-3	90	543J	4
SS8	3-12	1	37J	1
S9	0-3	73	387J	5
SS9	3-12	5	81J	<1B
S10	0-3	11J	546J	2J
SS10	3-12	100J	494J	4J
S11	0-3	4J	297J	1
SS11	3-12	1	97J	<1B
S12	0-3	190	127J	2
SS12*	3-15	7	46J	<1B
S13	0-3	29	87	2J
SS13*	3-11	37J	1,740	1J
S14	0-2	28	268	1J
SS14*	3-15	2	95	<1B
S15	0-3	45	140	2J
SS15*	3-15	12	157	1J
S16	0-3	9	55	1J
SS16*	6-15	30	395	2J
S17	0-3	32	144	1J
SS17*	4-16	2	233	<1B
S18	0-3	8	210	<1B
SS18*	3-13	U	338	<1B
S19	0-3	340	236	2J
SS19*	3-13	22,000	353	1J
S20	0-3	11	150	2J
SS20*	4-16	1,600	369	19J
S21	0-3	180	340	19J

Table 2 (continued)

<u>Sample Number</u>	<u>Sample Depth (inches)</u>	<u>Concentration (mg/kg)</u>		
		<u>PCB Aroclor-1254</u>	<u>Lead</u>	<u>Cadmium</u>
SS21*	6-14	5,500	7,460	373J
S22	0-3	83	87	2J
SS22**	14-18	1,000	478	13J
S23	0-6	270	297	3
SS23	6-12	34J	126	1
S24	0-6	98	283	5
SS24	9	41	349	<1B
S25	0-3	4,700	441	9
S26***	0-3	3,900	22,500J	62
SS26***	3-12	1,900	57,300	285
S28***	0-3	26	111	2J
SS28***	4-16	<1J	226	<1B
S29	0-6	51,000J	1,740	44

Note: except for concentrations detected at less than 1 mg/kg, all other analytical data presented above has been rounded down to the next whole number

* - subsurface sample collected below gravel/stone layer of roadway

** - subsurface sample collected within gravel/stone layer

***- duplicate sample

J - estimated value

U - non-detected analyte/compound

B - between the instrument detection limit and the method detection limit

Mercury was noted at Sample Nos. SS-10 and SS-22 at concentrations of 72.4J mg/kg and 24.3 mg/kg, respectively.

The highest PCB aroclor-1254 concentration (51,000J mg/kg) detected at the Site was at the surface within the fenced area. The sample was collected near the northeastern corner of the fenced area, where electrical and transformer parts lie exposed in a swale. Sample No. S24 (98 mg/kg) was from a parking area (0 to 6 inches in depth) for employees and students of the truck driving school. Sample No. S25 (4,700 mg/kg) was from a canopied rest area (0 to 3 inches in depth) used by the employees and the students. Sample No. S23 (270 mg/kg) was from a portion of the fenced area (0 to 6 inches in depth) frequently used by the trucks.

The highest PCB concentrations detected on the surface of the Site roadway, ranging from 83 mg/kg to 340 mg/kg of PCB aroclor-1254, were nearest to Building Nos. 11 and 12 (Sample Nos. S12, S19, S21, S22). The average PCB aroclor-1254 detected on the surface (0 to 3 inches) of the Site roadway was 87.5 mg/kg. The highest concentrations of PCB aroclor-1254 detected just beneath the partial gravel/stone layer of the Site roadway, ranging from 1,000 mg/kg to 22,000 mg/kg, were noted nearest to

Building Nos. 11 and 12 (Sample Nos. SS19, SS21, SS22), and Building No. 13 (Sample No. SS20).

Elevated levels of PCB aroclor-1254 (90 mg/kg - 3,000 mg/kg) were also detected at the surface, along and in the vicinity of, the foot/bike path at the rear portion of the Site (Sample Nos. S5, S6, S8). The area in the vicinity of Sample Nos. S5, S6, and S29 is the general location containing the exposed waste, described in Section II.A.3. Sample No. S7, collected in the floodplain of the stream, downslope from the exposed waste, contained 100 mg/kg of PCB aroclor-1254.

The average lead concentration detected on the surface (0 to 3 inches) of the Site roadway was 167.6 mg/kg, with the highest concentration being 340 mg/kg (Sample No. S21). Except for one location (Sample No. S21) where cadmium was detected at 19 mg/kg, it was generally found at levels below 3 mg/kg on the surface of the Site roadway. The highest concentrations of lead detected just beneath the partial gravel/stone layer of the Site roadway, ranging from 1,740 mg/kg to 7,460 mg/kg, were noted nearest to Building Nos. 11 and 12 (Sample Nos. SS13, SS21). Cadmium was also detected at Sample No. SS21 at a concentration of 373 mg/kg.

It should be noted that some of the highest levels of lead (1,740 mg/kg - 66,600 mg/kg) and cadmium (43 mg/kg - 271 mg/kg) were noted near the foot/bike path and the northeastern corner of the fenced area, within the area where the exposed waste is present.

U.S. ENVIRONMENTAL PROTECTION AGENCY

REMOVAL ACTION BRANCH

EDISON, NEW JERSEY

TO: Mark Maddaloni

PHONE: _____

FAX: 212-637-3256

FROM: Nick Magiples

PHONE: 908 906 6182

FAX: 908-906-6182

NUMBER OF PAGES TO FOLLOW: 5

Mark,

Let me know what you think.

I can send you the ATSDR draft consult.